

10/100Mbps Ethernet to Parallel Network Print Server

PM1115P2



*actual product may vary from photos

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- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

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Introduction

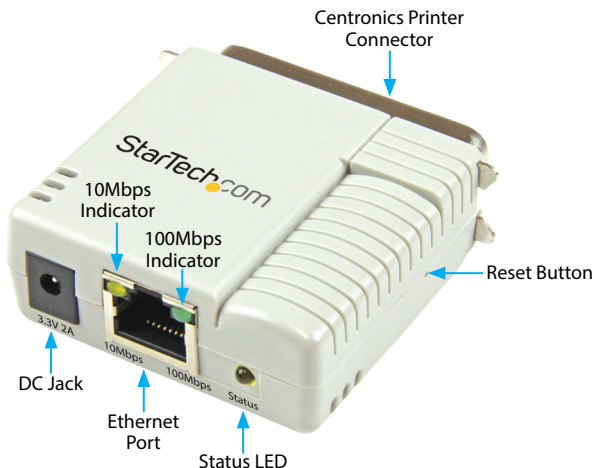
Packaging Contents

- 1x Parallel Print Server
- 1x Power Adapter
- 1x Software CD
- 1x Quick Start Guide

System Requirements

- Windows® 8 (32/64bit), 7 (32/64), Vista(32/64), XP(32/64), 2000, Windows® Server 2008 R2, 2003(32/64), Mac OS 10.x, 9.x, Linux

Product Overview



LED Indicators

LED	State	Indication
Status	Blinking for POST (Yellow)	When power is connected, the Status indicator will flash five times, and then go solid.
100Mbps	On (Green)	LAN Port has a valid network connection at 100Mbps.
10Mbps	On (Yellow)	LAN Port has a valid network connection at 10Mbps.

Reset Button

Reboot the Print Server:

1. Verify the power of print server is turned on.
2. Press the reset button once, and then release it.

Note: This will restart the print server and stop all on-going and pending print jobs.

Reset to Factory Defaults:

1. Disconnect the power adapter from the print server.
2. Hold down the reset button.
3. Reconnect the power adapter while continuing to hold the reset button for about 5 seconds.
4. Release the reset button.
5. The print server will restart.

WARNING: This will erase all settings on the print server and return it to factory default.

Note: A reset to factory defaults can also be performed through the web console, covered later in this manual.

Default Settings

DHCP client: off

IP Address: 192.168.0.10

Subnet Mask: 255.255.255.0

Installation

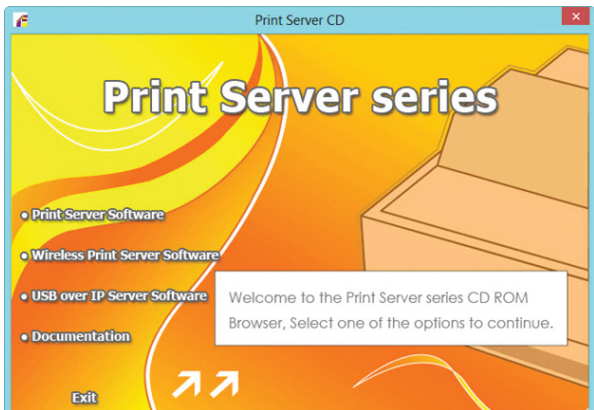
Hardware Installation

1. Turn off the power to your printer.
2. Connect the print server to your printer with the appropriate printer cable.
3. Turn the printer on.
4. Plug in the AC power adapter into the DC jack on the print server.
5. Wait 10 seconds until the Status LED has stopped flashing.
6. Connect an RJ45 network cable to the print server, then to your network switch or wall jack.

Software Installation

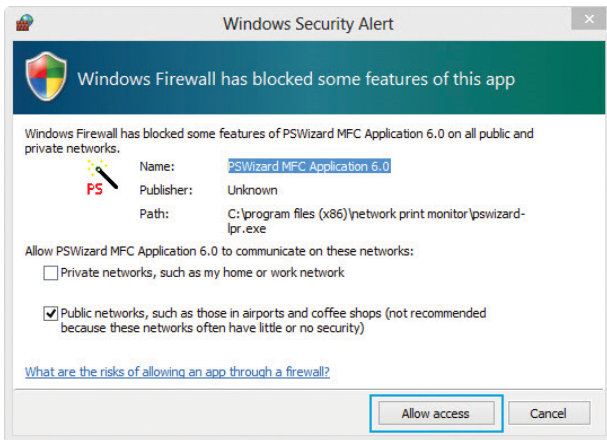
Windows

1. To enable network communication with print server, your computer must have a proper IP address, e.g. 192.168.0.100 (the print server's default IP is 192.168.0.10)
2. Insert the setup CD into your CD/DVD drive.
3. Select **Setup Wizard** from the Autoplay menu. If Autoplay is disabled on your system, browse to your CD/DVD drive and run the application.

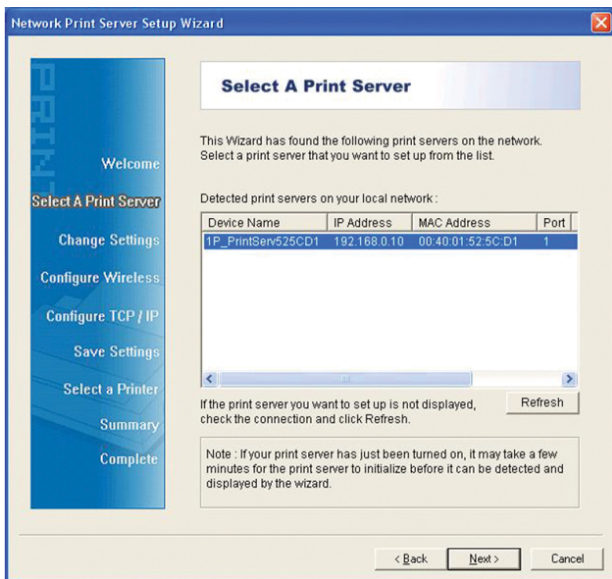


Note: The setup CD will install the print server driver, PSAdmin and Setup Wizard into your computer. The default installation directory will be C:\Program files\ Network Print Monitor

4. Click Next on the following screen and the wizard will automatically discover the print server. At this point of the install, you may get a Windows Firewall message, click **Allow Access** if prompted.



- From the “Select A Print Sever” screen, select the print server that you want to configure and click **Next**.



6. Click “Yes, I want to change settings”, then click **Next** to configure the IP settings of the print server to match your network.
Note: The IP address of print server must be within the same subnet as your network adapter.

Obtain an IP address automatically (use DHCP)
 Specify an IP address

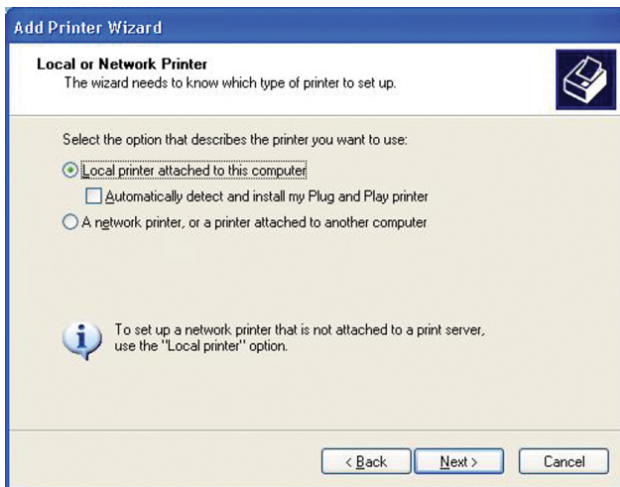
IP Address
 Mask IP Address
 Gateway IP Address

7. In the setup wizard, select an already configured printer from the list, click **Next**, **Next** and then **Finish** to complete the installation.

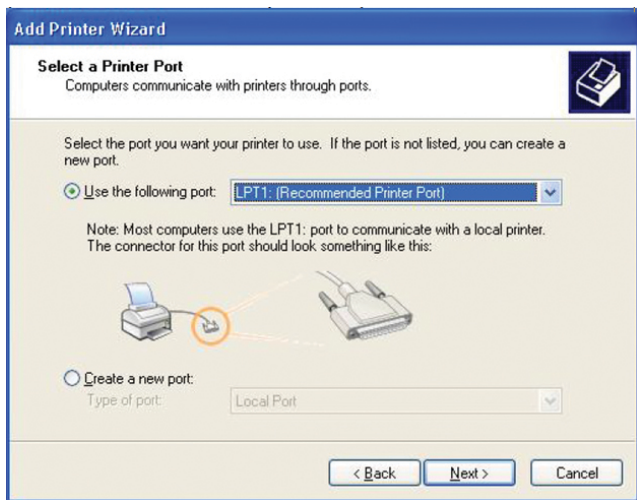


OR

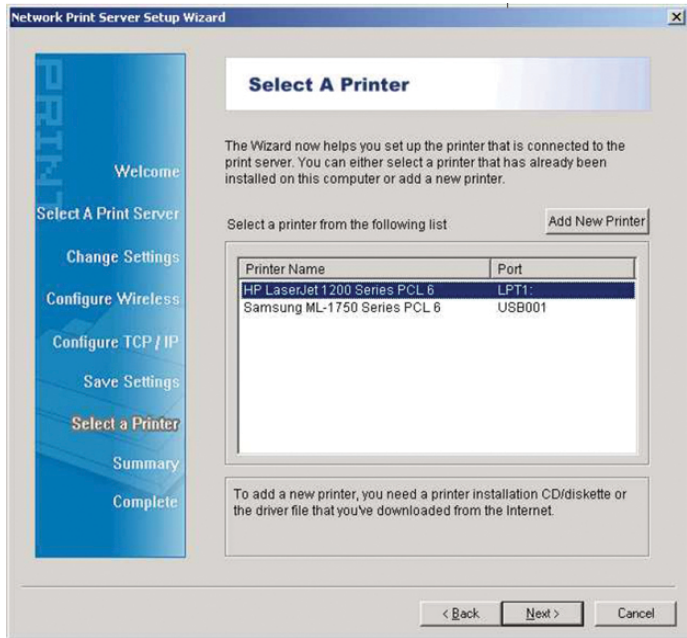
8. Select **Add New Printer** to launch the Windows Add Printer Wizard, if the print server is connected to a printer that hasn't been installed before and does not appear in the list.
9. Click **Next** and select **Local Printer**, make sure the **Automatically detect and install my Plug and Play printer** check box is **NOT** checked. Then click **Next**.



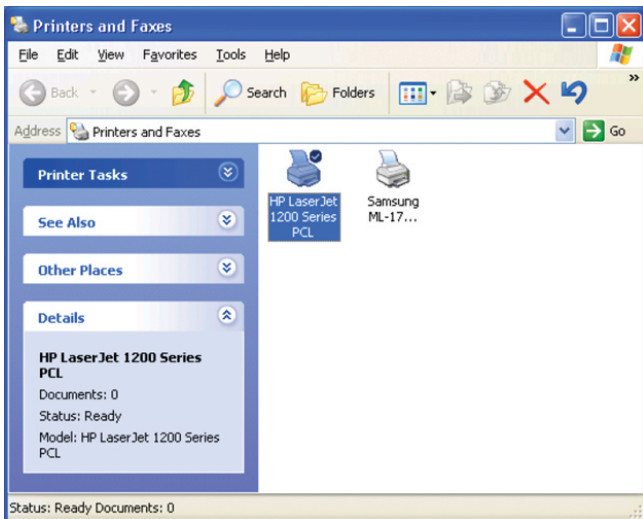
10. Make sure the **Use the following port** radio-button is clicked and select **LPT1: (recommended Printer Port)** from the pull-down list. Then click **Next**.



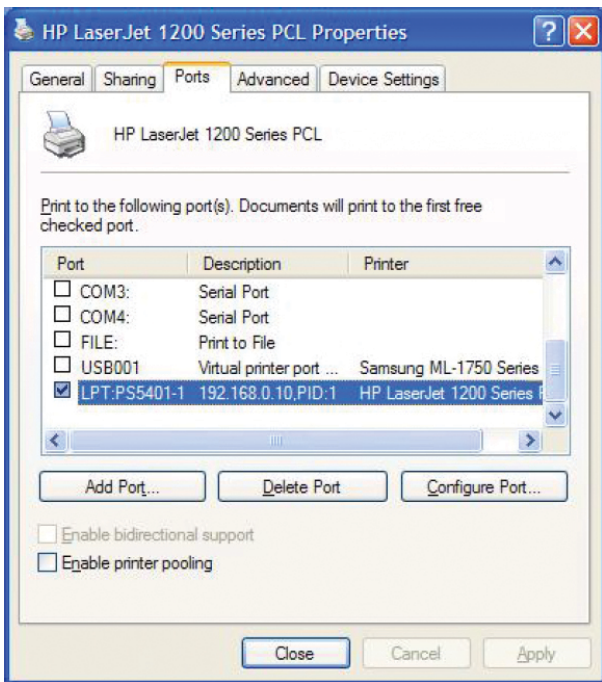
11. Select **Manufacturer** and Printer from the lists of printer drivers. Then click **Next**.
12. If you already have the printer's driver installed, you will be asked whether to keep it or to replace it. Click **Next**. Supply a name for the printer and choose whether you want to make it your default printer. Then click **Next**.
13. Then, choose whether you want to share the printer with other network user, print a test page (please select **No.**), etc. Select the appropriate radio-button and click **Next** and **Finish**.
14. In the setup wizard, finish the installation by highlighting the installed printer in the **Select a Printer** list and click **Next, Next -> Finish**.



15. Click **Start** -> **Devices and Printers** and highlight your newly installed printer.



16. Right-click, select **Printer Properties**, then the **Ports** tab and verify that the print server's port appears.



17. Select the **General** tab and click **Print Test Page** to verify the configuration.

Note: If you want to install more print servers, start the setup wizard from your Windows Start menu: **Start -> All Programs -> Network Print Server -> PSWizard** and repeat the installation procedure.

Mac OS

To use the print server in Mac OS (10.2 and up), no software installation is required. The necessary configuration can be done through the Web Console.

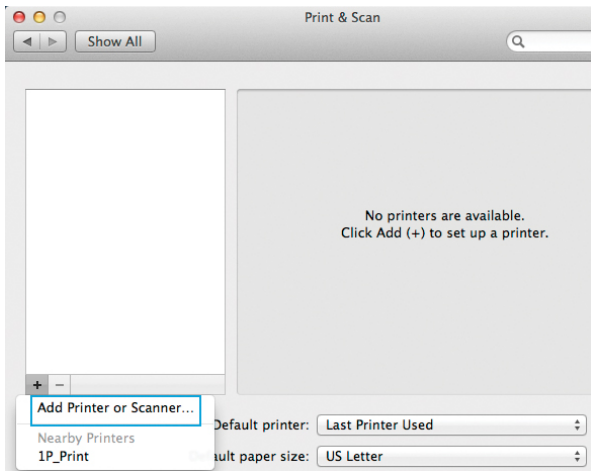
1. Open your browser and enter the IP address of the print server in the address bar of your web browser (**Default:** 192.168.0.10), then press Enter.
2. Enter your user ID and password (**Default:** admin / no password).
3. Click the **Setup** section, then the **TCP / IP** tab.
4. Change the **Rendezvous Settings** box to Enabled and enter a Service Name to identify the print server on the network.

The screenshot shows a web console interface with a navigation bar at the top containing tabs for Status, Setup, Misc., and Restart. Under the Setup tab, there are sub-tabs for System, Printer, TCP/IP (which is highlighted with a red box), NetWare, AppleTalk, SNMP, and SMB. A left arrow button is also visible. Below the navigation bar, a green arrow icon and text state: "This setup page allows you to configure TCP/IP and Rendezvous (Bonjour) settings of the print server." The main content area is divided into two sections: "TCP/IP Settings" and "Rendezvous (Bonjour) Settings". In the TCP/IP section, the radio button "Use the following TCP/IP settings" is selected. Below it are three input fields: "IP Address" with the value "192.168.0.10", "Subnet Mask" with "255.255.255.0", and "Default Gateway" with "192.168.0.100". In the Rendezvous section, the "Service" dropdown menu is set to "Enabled" and the "Service Name" text field contains "1P_Print". A "Save & Restart" button is located at the bottom right of the configuration area.

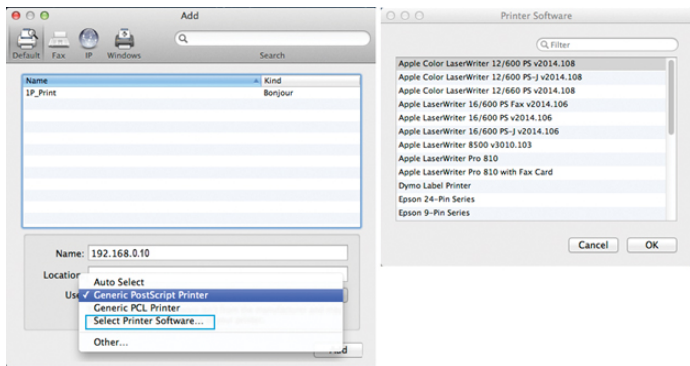
5. Click **Save & Restart** to apply the settings.
6. On your Mac system, open your System Preferences page, then the **Print & Scan Utility**.



7. Click the plus sign (+) at the bottom of the Print & Scan window, then **Add Printer or Scanner**.



8. The print server should automatically display in the default list. Select it, then click the "Use" drop-down and click **Select Printer Software**, to specify the model of the printer that is connected to the print server.



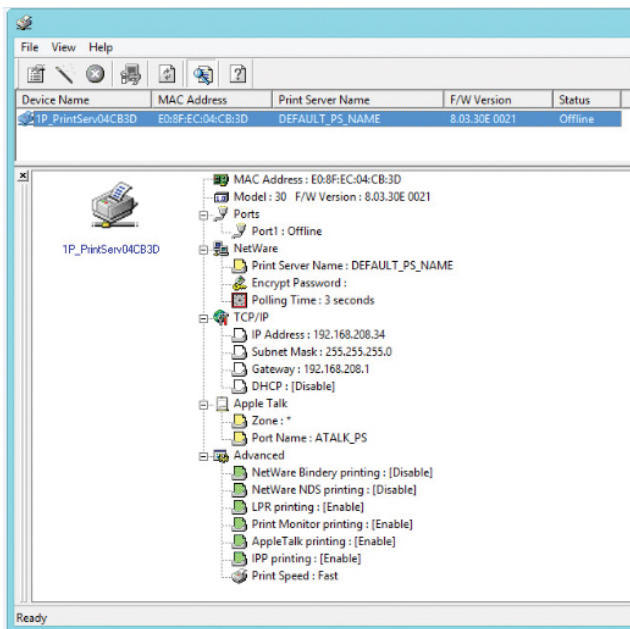
9. Click **OK** once you've selected your printer make / model, then click **Add** to complete the installation.

Operation

PSAdmin Application (Windows)

After the software has successfully been installed, you can start the PSAdmin utility from your Windows Start menu by clicking **Start -> Programs -> Network Print Server -> PSAdmin**

For NetWare systems, Run PCONSOLE and create the necessary parameters (Refer to your Novell NetWare print server/Services manual for details), log into your NetWare file server as a Supervisor (Admin) or equivalent, then run PSAdmin.



Print servers discovered on the LAN will be displayed along the top portion of the window, with their respective Device Name, MAC Address, Print Server Name, Firmware Version, and Status. These terms are defined as follows:

Device Name: The name of the print server used for identification purposes.

MAC Address: The Ethernet address of the print server.

Print server Name: The name of the print server on the NetWare server.

Version: The firmware version of the print server.

Status: Displays the current status of the connected printer.

Setup Wizard

The Setup Wizard is a configuration program that can assist you in setting up the necessary parameters for your print server device for either TCP/IP or NetWare.

TCP/IP


1. Click the Wizard button from the PSAdmin tool bar.



2. Select **TCP/IP Wizard** from the window that opens and then click **Next**.
3. Choose either "Obtain an IP address from DHCP server" if there is a DHCP server on your network. Or "Specify an IP address" to manually enter your desired IP settings for the device.

Note: DHCP is disabled by default, as it is strongly recommended to assign a static IP address to print servers

TCP/IP Settings



An IP address can be automatically assigned to the print server by a DHCP server. If your network does not have a DHCP server, please specify an IP address for the print server.

Obtain an IP address from a DHCP server

Specify an IP address

IP Address : 192 . 168 . 208 . 34

Subnet Mask : 255 . 255 . 255 . 0

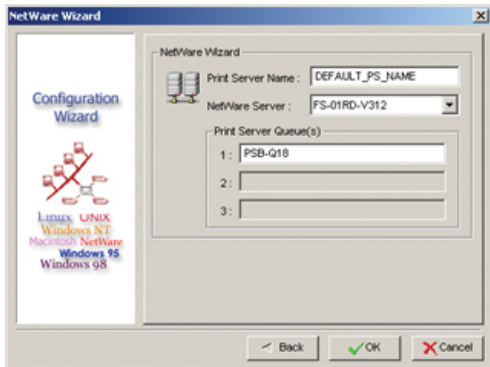
Gateway : 192 . 168 . 208 . 1

NetWare

1. Log into your NetWare file server as a Supervisor (Admin) or equivalent and run PSAdmin.
2. Click the Wizard button from the PSAdmin tool bar.



3. Select **NetWare Wizard** from the window that opens and then click **Next**.

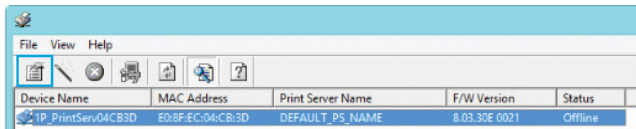


4. Select the NetWare File Server to which the print server device will be attached.
5. Type in a Print Queue name(s).
Note: Each print queue corresponds to each print port of the print server.
6. Click **Ok**.
7. From your NetWare client computer, create a printer that is connected (redirected) to one of the NetWare print queues serviced by the print server.

Advanced Setup (Device Properties)

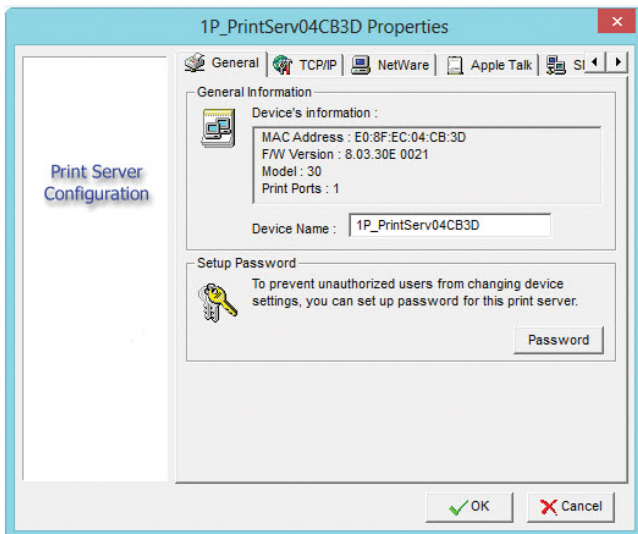
The device properties screen offers several tabs with advanced configuration options.

1. Select the print server that you wish to configure and click the Properties button from the PSAdmin toolbar.



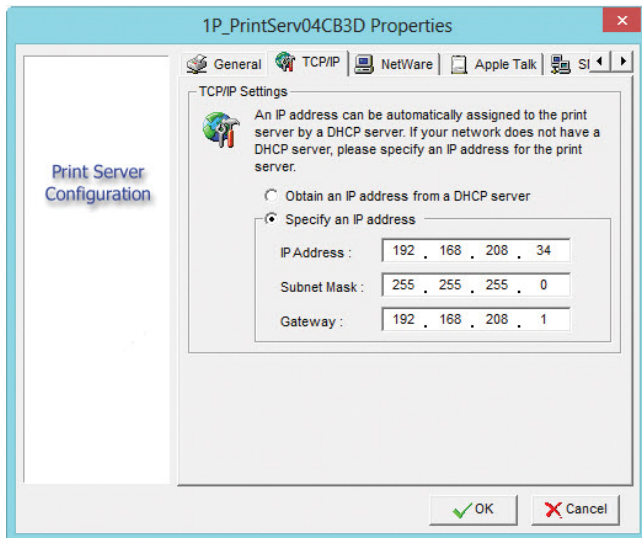
Device Name	MAC Address	Print Server Name	F/W Version	Status
1P_PrintServ04CB3D	E0:8F:EC:04:CB:3D	DEFAULT_PS_NAME	8.03.30E 0021	Offline

General Tab



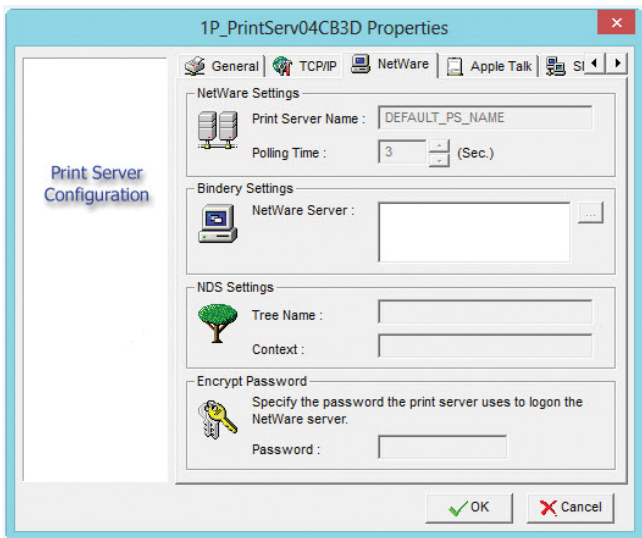
Device Name: How the device will be identified on the network.

Password: Secures the device to avoid unauthorized changes.



Choose either "Obtain an IP address from DHCP server" if there is a DHCP server on your network. Or "Specify an IP address" to manually enter your desired IP settings for the device.

Note: DHCP is disabled by default, as it is strongly recommended to assign a static IP address to print servers



Print Server Name: Type in the Print server that was created using PCONSOLE.

Bindery Settings (Optional): Select NetWare file server(s) using Bindery mode.

NDS Settings (Optional): Select the NetWare file server(s) (NetWare 4.x or later) using NDS mode.

Encrypt Password: Enter the password the print server requires to logon to the NetWare server.

1. From your NetWare client computer, create a printer that is connected (redirected) to one of the NetWare print queues serviced by the print server.

Multiple Print Queues Configuration

To configure the print server to service multiple print queues, please follow the instructions listed below:

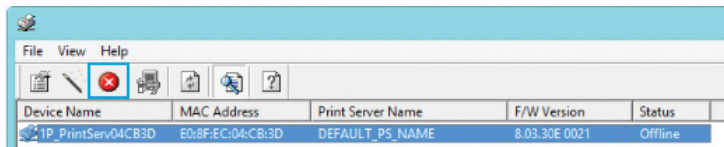
1. Log into your NetWare file server as a Supervisor (Admin.) or equivalent.
2. Run the PSAdmin from your Windows.
3. Select the print server and to be configured.
4. Click the Wizard icon in the tool bar.
5. Type in a Print server and a Print Queue Name (For more detailed information about Wizard, please refer to the “Wizard” section in this chapter).
6. Run the NetWare’s PCONSOLE and create additional print queues.
7. Select the Print server name you specify in Step 5.
8. Select the “Print server Configuration” option and select the “Queue Served by Printer” option (For NetWare 4.x’s PCONSOLE, please select “Printers” option and select “Printer 0” instead).
9. Select the “Printer 0” and press the [Insert] key to add the print queues you create in Step 6 into the list (For NetWare 4.x’s PCONSOLE, please select “Print queues assigned” option instead).
10. Reset the print server by clicking the “Reset” icon from the PSAdmin. Done.

Note: Please refer to NetWare’s Print server/Services manuals for detailed PCONSOLE commands

Restart

The Restart function allows you to restart the print server device in order to establish a new connection, or for new settings to take effect.

1. Select the device you would like to reset and click the Restart button from the PSAdmin toolbar.

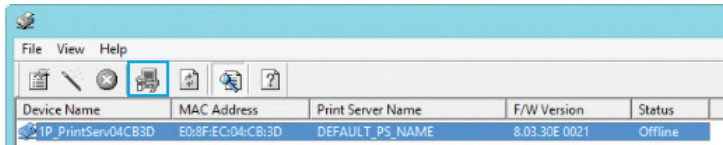


Firmware Upgrade

Upgrade allows you to upgrade the print server device, in the event that a new firmware becomes available.

Note: Make sure that the upgrade file is located in the same directory as PSAdmin.

1. Select the print server that you wish to upgrade and click the Upgrade button from the PSAdmin toolbar.

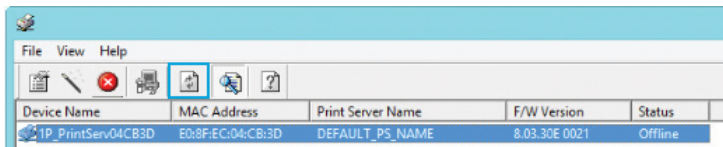


2. Select **General Upgrade** and then click **Next**. Make sure that the upgrade file is located in the same directory as PSAdmin.

Refresh

The Refresh function searches the network for all attached print servers.

1. Click the Refresh button from the PSAdmin toolbar.



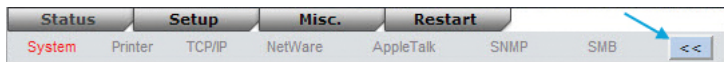
Web Console Administration

The Print Server contains an embedded web console that can be accessed through your browser to provide access to the configuration and management pages for the print server and the connected printer.

To access the web console:

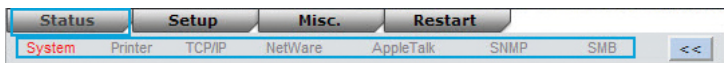
1. Open your browser and enter the IP address of the print server in the address bar of your web browser (**Default:** 192.168.0.10), then press Enter.
2. Enter your user ID and password (**Default:** admin / no password).

Note: Use the arrow button on the right side of the toolbar to expand / collapse available settings tabs.



Status Section

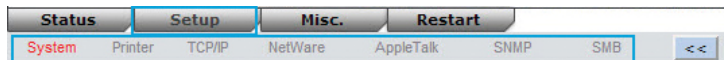
The Status section displays the current configuration for the print server in a read-only report format. Click through the available tabs on the toolbar to view the settings related to the device / protocol.



Setup Section

The Setup section allows you to configure or alter the print server settings through the web console. Click through the available sections on the toolbar to edit the settings related to the device / protocol.

The following sections will outline the available options.



System Tab

Allows you to configure basic system settings. Click the **Save & Restart** button to apply any changes made.

Status **Setup** **Misc.** **Restart**

System Printer TCP/IP NetWare AppleTalk SNMP SMB <<

This setup page allows you to configure general system settings of the print server.

E-mail Alert Settings

E-mail Alert :

SMTP Server IP Address:

Administrator E-mail Address:

System Settings

Print Server Name :

System Contact :

System Location :

Administrator's Password

Account :

Password :

Confirm Password :

Save & Restart

Email Alert: Enable/Disable Email Alert support.

SMTP Server IP Address: Input the IP address of your SMTP server.

Administrator E-mail Address: Input the email address that you want to receive notifications to.

Print Server Name: Input your desired device name for the print server.

System Contact: Input the contact name for the print server.

System Location: Input location information for the print server (e.g. 1st floor copy room).

Password: Configure a password to avoid unauthorized access to the web console.

Printer Tab

Allows you to configure settings related to the connected printer. Click the **Save & Restart** button to apply any changes made.

The screenshot shows a configuration interface with a top navigation bar containing tabs for Status, Setup, Misc., and Restart. Below the navigation bar is a sub-menu with options: System, Printer (highlighted in red), TCP/IP, NetWare, AppleTalk, SNMP, and SMB. A help icon (green circle with a question mark) is followed by the text: "This setup page allows you to enable or disable the bi-directional function of each printer port." Below this is a section titled "Parallel Port - Bi-directional Settings" which contains two settings: "Printer Port" with a dropdown menu set to "Auto Detect", and "Print Speed" with a dropdown menu set to "Fast". Below the "Print Speed" dropdown, there is explanatory text: "For laser printers, fast is recommended." and "For dot matrix printers, slow is recommended." At the bottom right of the configuration area is a "Save & Restart" button.

Printer Port: Select the bi-directional port operation mode. Options include Disable or Auto Detect.

Print Speed: Select the print speed.

TCP/IP Tab

Allows you to configure TCP/IP and Rendezvous (Bonjour) settings for the print server. Click the **Save & Restart** button to apply any changes made.

The screenshot shows a web-based configuration interface with a top navigation bar containing tabs for Status, Setup, Misc., and Restart. Under the Setup tab, there are sub-tabs for System, Printer, TCP/IP (which is selected and highlighted in red), NetWare, AppleTalk, SNMP, and SMB. A left arrow button is visible on the right side of this sub-tab bar.

Below the sub-tabs, a green information icon is followed by the text: "This setup page allows you to configure TCP/IP and Rendezvous (Bonjour) settings of the print server."

The main configuration area is divided into two sections:

- TCP/IP Settings:** This section contains two radio button options. The first is "Obtain TCP/IP settings automatically (use DHCP/BOOTP)" which is unselected. The second is "Use the following TCP/IP settings" which is selected. Below these are three text input fields: "IP Address" with the value "192.168.0.10", "Subnet Mask" with the value "255.255.255.0", and "Default Gateway" with the value "192.168.0.100".
- Rendezvous (Bonjour) Settings:** This section contains two settings: "Service" is set to "Enabled" via a dropdown menu, and "Service Name" is set to "IP_Print" in a text input field.

A "Save & Restart" button is located at the bottom right of the configuration area.

TCP/IP Settings: Choose either "Obtain TCP/IP settings automatically (use DHCP/BOOTP)" if there is a DHCP server on your network. Or "Use the following TCP/IP settings" to manually enter your desired IP settings for the device.

Note: DHCP is disabled by default, as it is strongly recommended to assign a static IP address to print servers

Rendezvous Settings: Enable/Disable Rendezvous(Bonjour) support for Mac OS 10.2 or higher.

NetWare Tab

Allows you to configure NetWare related settings for the print server. Click the **Save & Restart** button to apply any changes made.

Status **Setup** **Misc.** **Restart**

System Printer TCP/IP **NetWare** AppleTalk SNMP SMB <<

↑ This setup page allows you to configure the NetWare function of the print server.

General Settings

Printer Server Name :

Polling Time : seconds (min: 3 seconds, max: 29 seconds)

Logon Password :

NetWare NDS Settings

Use NDS Mode : ▾

Name of the NDS Tree : ▾

Name of the NDS Context :

NetWare Bindery Settings

Use Bindery Mode : ▾

Name of the File Server :

Save & Restart

Print Server Name: Input the print server name configured by the PSAdmin utility or PCOMSOLE program.

Polling Time: Enter the time interval in seconds, which the print server will poll the file server for servicing print queues.

Logon Password: Input the password to your NetWare server - encrypted (administrator set password for the selected print server).

Use NDS Mode: Enables NDS Mode. Select the NDS Tree Name and input context name in the Context box below.

Bindery Mode: Enables Bindery Mode and allows you to select the NetWare File Server Name below.

AppleTalk Tab

Allows you to configure AppleTalk related settings for the print server, to accept jobs from Mac workstations using this protocol. Click the **Save & Restart** button to apply any changes made.

Status **Setup** **Misc.** **Restart**

System Printer TCP/IP NetWare **AppleTalk** SNMP SMB <<

This setup page allows you to configure AppleTalk settings of the print server.

AppleTalk Settings

AppleTalk Zone Name :

Port Name :

Printer Configuration

Type :

Data Format :

Save & Restart

Zone Name: Enter an AppleTalk Zone name that you want the print server to belong to, or leave it in default (This enables the print server to automatically search and link itself to the default zone that is set on the AppleTalk router, if found). We also assume that at least one AppleTalk Zone exists on the network. If no zone exists, the print server itself displays the zone name as an asterisk (*) in the current **AppleTalk Status** of the print server in the web browser.

Port Name: Enter a name for identification purposes or leave as the default (**recommended**).

Note: The default print server's Chooser name is as shown as follows:

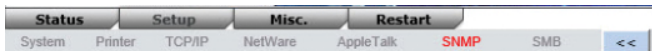
<ATALK_PS>-xxxxxx-1, where xxxxxx represents the last six digits of the device's Node ID, E.g. ATALK_PS-40EEED-1. If changed from the default name, the print server will append the last six digits to the name you specify.

Printer Type: The default printer type is **LaserWriter (recommended)**.

Data Format: Available data formats include **ASCII**, **TBCP** and **BCP**.

SNMP Tab

Allows you to configure Simple Network Management Protocol (SNMP) related settings for the print server. A host on the network running Network Management System (NMS) software can access the print server device by reading and writing the MIB objects stored in the device. Click the **Save & Restart** button to apply any changes made.



 This setup page allows you to configure SNMP settings of the print server.

SNMP Community Settings	
Support HP WebJetAdmin :	Disabled ▾
SNMP Community Name 1 :	public
Privilege :	Read-Only ▾
SNMP Community Name 2 :	public
Privilege :	Read-Only ▾

SNMP Trap Settings	
Send SNMP Traps :	Disabled ▾
Use Authentication Traps :	Disabled ▾
Trap Address 1 :	0.0.0.0
Trap Address 2 :	0.0.0.0

Save & Restart

SNMP Community: The print server supports up to two community names. The default community name is public (case-sensitive), with Read Only access rights by default.

Support HP WebJetAdmin: Enable/Disable the HP WebJetAdmin Support.

SNMP Traps: Enable the function of sending SNMP Authentication Failure trap messages to the network administrator, if the community name within a SNMP request is not correct.

When an unusual condition or activity occurs, the SNMP agent alerts the SNMP manager through *SNMP traps*. The following list summarizes the SNMP trap messages that the print server will send out:

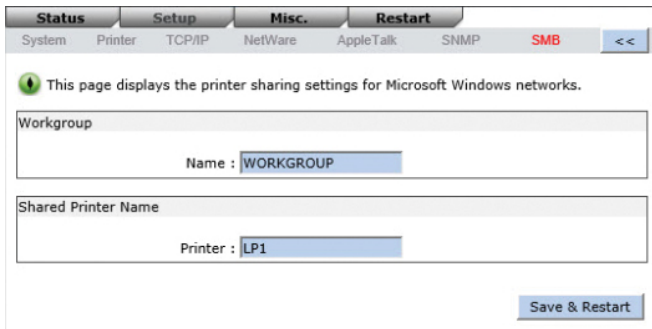
Activities/SNMP Trap Messages	Description
Link Up or Link Down	When the network interface on the print server fails, a link down trap message is generated if the network interface comes back to life, a link up trap message is sent.
Cold Start or Warm Start	When the print server restarts, the cold start or warm start trap message is generated.
Authentication Failure	When the print server received a SNMP request with a community name that does not match the community name the print server is configured with, an authentication failure trap message is generated.

In the print server's SNMP implementation, the following MIB objects are available for updating:

MIB Object Name	Description
system.sysContact	Indicates the network administrator's name.
system.sysName	Indicates the print server's name for identification.
system.sysLocation	Indicates the location of the print server.
snmp.snmpEnableAuthenTraps	Enables or disables the function of sending SNMP Authentication Failure trap message to the network administrator, if the community name within a SNMP request is not correct.

SMB Tab

Allows you to configure Server Message Block (SMB) printing. Click the **Save & Restart** button to apply any changes made.



The screenshot shows a configuration window with a top navigation bar containing tabs for Status, Setup, Misc., and Restart. Below the tabs is a sub-menu with options: System, Printer, TCP/IP, NetWare, AppleTalk, SNMP, and SMB (highlighted in red). A '<<' button is on the right. Below the sub-menu is a green information icon and the text: 'This page displays the printer sharing settings for Microsoft Windows networks.' There are two main input sections: 'Workgroup' with a 'Name' field containing 'WORKGROUP', and 'Shared Printer Name' with a 'Printer' field containing 'LP1'. A 'Save & Restart' button is located at the bottom right of the form.

Workgroup Name: Assign a workgroup name to print server to identify the print server on the Network.

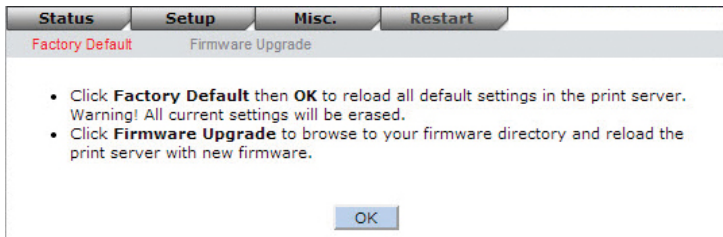
Shared Name: Assign a name to print server's port.

Misc. Section

The Misc. Section allows you to reset the unit to factory defaults (as opposed to the physical reset button), or perform a firmware upgrade.

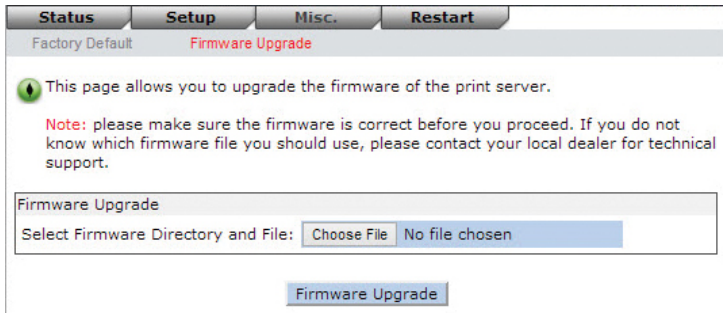
Factory Default

To reset the unit to factory default settings, click the OK button on this screen and confirm your choice.



Firmware Upgrade

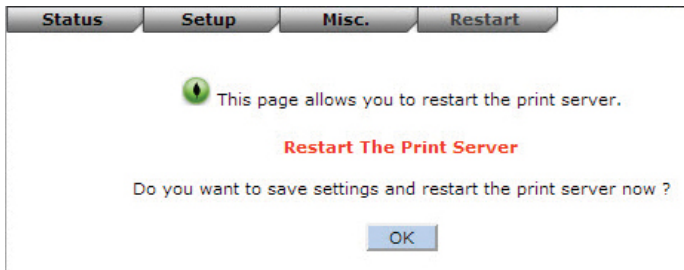
Allows you to upgrade the firmware on the print server.



1. Click the **Choose File** button.
2. Navigate to the location where you have stored the updated file.
3. Click **Firmware Upgrade** and confirm.

Restart Section

The Restart Section allows you to save all changed settings and restart the print server. Click OK to perform the restart.



Troubleshooting

The following chart outlines common questions / issues and possible solutions.

Question / Issue	Possible Solution
The setup Wizard can't find print server.	A personal firewall may be blocking the connection. Temporarily disable the firewall or adjust the security level lower.
PSAdmin reports "Create Print server Error", "Create Printer Error", or "Create Print Queue Error" while using Auto Setup.	The print server name, the printer name, or the print queue name you specified in the Auto Setup dialogue box contains a space. Type a new name without a space or use a dash (-) or underscore (_) instead.
PSAdmin reports "Print server Already Exists", "Printer Already Exists", or "Print Queue Already Exists" after specifying the print server name, or the print queue name in Auto Setup.	Specify a new print server name or queue name in the Auto Setup .

Print jobs are sent to the print queue successfully, but fail to be sent to the printer

1. The Print server Name/Print Queue configuration in PCONSOLE is incorrect.
2. The Print server name specified and stored in the print server memory doesn't match the same one set in PCONSOLE.
3. The network cable or power adapter connected to the print server is loose or disconnected.
4. The printer is off-line, jammed or out of paper.

Print jobs start printing, but print very slowly or print unknown characters

A printer driver is missing or is incompatible with that printer. Using a print driver that is not specific for the printer can cause printing errors. Install the proper printer driver. If these printer drivers are not available to you, please contact your printer manufacturer.

The upgrading process indication bar stops and does not seem to proceed again while upgrading the print server.

1. Check the network cabling, especially from the workstation running the PSAdmin to the print server unit.
2. Run the PSAdmin and upgrade the print server again.

The Status LED light keeps blinking after POST.

The last upgrade process was not completed. The print server must be upgraded again using PSAdmin.

Specifications

Number of Ports	1
Interface / Bridge	Parallel
Industry Standards	IEEE 802.3 10BASE-T, IEEE 802.3u 100BASE-TX
Connector(s)	1 x RJ-45 Female 1 x Centronics (36 pin) Male
Maximum Data Transfer Rate	100 Mbps (LAN)
Remote Management Ability	Yes
Supported Protocols	TCP/IP (LPR, IPP, RAW 9100), IPX, NetBEUI, AppleTalk, SNMP, SMB
Power Adapter	3.3 V 2 A, Type G
Enclosure Material	Plastic
Operating Temperature	0°C to 50°C (32°F to 122°F)
Storage Temperature	0°C to 50°C (32°F to 122°F)
Dimensions	60 x 62 x 24 mm
Weight	52g
Compatible Operating Systems	Windows® 8 (32/64bit), 7 (32/64), Vista (32/64), XP (32/64), 2000 Windows® Server® 2012, 2008 R2, 2003 (32/64) Mac OS® 10.2 and up (Tested up to 10.9) Unix/Linux

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Warranty Information

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